activity;

stopping the reaction; and

drying said hydrolysate.

6. (Amended) A treatment regimen for a mammal to inhibit angiotensin-converting enzyme (ACE), said regimen comprising:

orally administering to the mammal, a product prepared according to claim 1 in amounts and at intervals effective to suppress ACE-activity.

Cancel Claim 4.

Add the following new claims:

7. A process according to claim 1, wherein said hydrolysate is characterized by the following Molecular Weight Profile (HPLC)

| Range (Daltons) | Soluble Peptides |
|---|---|
| > 5000 | 50 - 55% |
| 2000 – 5000 | 15 - 20% |
| < 2000 | 30 - 35%. |

8. A process according to claim 1, wherein said reaction is stopped when a degree of hydrolysis for the hydrolysate is reached within the range of from 5.5 to 20.5%.

9. A process according to claim 1, wherein said reaction is stopped when the degree of hydrolysis is within the range of from 5.5 to 6.5%.

10. A process according to claim 1, wherein said whey comprises a whey protein isolate produced by ion exchange and characterized by a protein content of at least 94%, and an ash content of less than 3%.

11. A process according to claim 10, wherein said reaction is stopped when the degree of hydrolysis is within the range of from 5.5 to 20.5%.

12. A process for preparing an angiotensin-converting enzyme (ACE)-inhibiting composition comprising:

preparing an aqueous solution of whey protein isolate produced by ion exchange and a proteolytic enzyme, comprising trypsin;

holding said solution under conditions effective for reaction to partially hydrolyze said whey protein isolate to provide a hydrolysate having increased ACE-suppressing activity;

stopping the reaction when a degree of hydrolysis is reached within the range of from 5.5 to 20.5% and wherein said hydrolysate is characterized by the following Molecular-Weight Profile (HPLC)

| Range (Daltons) | Soluble Peptides |
|---|---|
| > 5000 | 50 - 55% |
| 2000 – 5000 | 15 - 20% |
| < 2000 | 30 - 35%; and |

drying said hydrolysate.

13. A process for preparing an angiotensin-converting enzyme (ACE)-inhibiting composition comprising:

preparing an aqueous solution of whey protein isolate, prepared by ion exchange processing and characterized by a protein content of at least 94% and an ash content of less than 3%, and a proteolytic enzyme;

holding said solution under conditions effective for reaction to partially hydrolyze said whey protein isolate to provide a hydrolysate having increased ACE-suppressing activity;

stopping the reaction when a degree of hydrolysis is reached within the range of from 5.5 to 20.5% no drying step.